

NEWS



International Symposium on the Primo-vascular System 2010 With Special Topic on Stem Cell/Regenerative Medicine and Cancer

Scope

The International Symposium on the Primo-vascular System 2010 (ISPS 2010) with special topic on stem cell/regenerative medicine and cancer is to be held in Jecheon, Korea from September 17 to 18, 2010.

The ISPS 2010 is devoted to topics related to biomedical findings on the primo-vascular system, an anatomical structure corresponding to acupuncture meridians also known as the pathways of Qi in our body. Numerous proposals have been made in an attempt to provide a scientific basis for acupuncture. Among those is Bong-Han Kim's proposal of a web-like vascular system (the primo-vascular system). It is unique in that it implies a profound impact upon both Eastern and Western medicine. Unfortunately, his work was not reproduced by others and has thus been neglected for a long time. In 2002, intensive reinvestigation was launched at Seoul National University, and the primo-vascular system was subsequently re-discovered by new methods with modern biomedical imaging techniques. In addition to confirming Kim's proposal, further functional aspects of the primo-vascular system in conjunction with stem cells/regenerative medicine and cancer have emerged. This is an evolving field in which one can envision not only significant influences to biomedical research and clinical medicine but also a paradigm shift in biology and medicine.

The symposium deals with the present status and future prospect of the research on the primo-vascular system in context of cutting-edge investigation in medicine, molecular biology and biological physics. The symposium will provide the best opportunity to update participants on the latest biomedical research in connection with the primo-vascular system, with innovative presentations covering a wide range of topics and access to active network of specialists and experts on the theme

“primo-vascular system as related to stem cell/regenerative medicine and cancer.”

Selected Topics Related to the Primo-vascular System

The symposium covers a wide range of topics in relation to primo-vascular system, including:

- (I) **Stem cells/regeneration:** Relations between very small embryonic-like stem cells and primo-microcells
- (II) **Cancer:** Relationships among vasculogenic mimicry, primo-vessels and metastasis
- (III) **Oxygen:** Oxygen density in tumor tissue and oxygen transport through primo-vessels
- (IV) **Proteomics:** Advances in technologies of proteomics and proteomic analysis on primo-vascular system
- (V) **Electrophysiology:** Electrophysiologic characteristics of primo-vascular system
- (VI) **Molecular imaging:** Mapping the primo-vascular system using various reporters and imaging technologies including aptamer and nanoparticle
- (VII) **Acupuncture meridian:** Primo-vascular system as the anatomical substance for acupuncture meridian

Featured Invited Speakers

Donald M. Miller (James Graham Brown Cancer Center, University of Louisville, USA), **Larry W. Kwak** (M.D. Anderson Cancer Center, The University of Texas at Austin, USA), **Peter Vaupel** (The Johannes Gutenberg University of Mainz, Germany), **David K. Harrison** (University of Newcastle Upon Tyne, England), **Kyung A. Kang** (University of Louisville, USA), **Mariusz Z. Ratajczak** (James Graham Brown

Cancer Center, University of Louisville, USA), **Jerry D. Glickson** (University of Pennsylvania, USA), **Mei-Yu Hsu** (Harvard Medical School, Brigham and Women's Hospital, USA), **Paula J. Bates** (James Graham Brown Cancer Center, University of Louisville, USA), **Samir M. Hanash** (Fred Hutchinson Cancer Research Center, USA), **Chin Ok Lee** (The Rockefeller University, USA), **Samuel Achilefu** (University of Washington, USA), and **Vitaly Vodyanoy** (Auburn University, USA)

Organization

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Date and Venue

September 17 (Friday) to 18 (Saturday), 2010
Cheongpung Resort, Lake Hotel, Jecheon, Korea

Registration

Registration will be processed online via the ISPS 2010 web site (www.ISPS2010.org) from June, 2010. Deadline for pre-registration is July 15, 2010. Registration is free, but pre-registration is absolutely necessary.

Important Dates

Abstract submission deadline: May 15, 2010
Acceptance notification: June 15, 2010
Presentation file submission deadline: August 15, 2010
Pre-registration deadline: July 15, 2010

Further Information

Please contact the ISPS Organizing Committee.
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